Figure 1

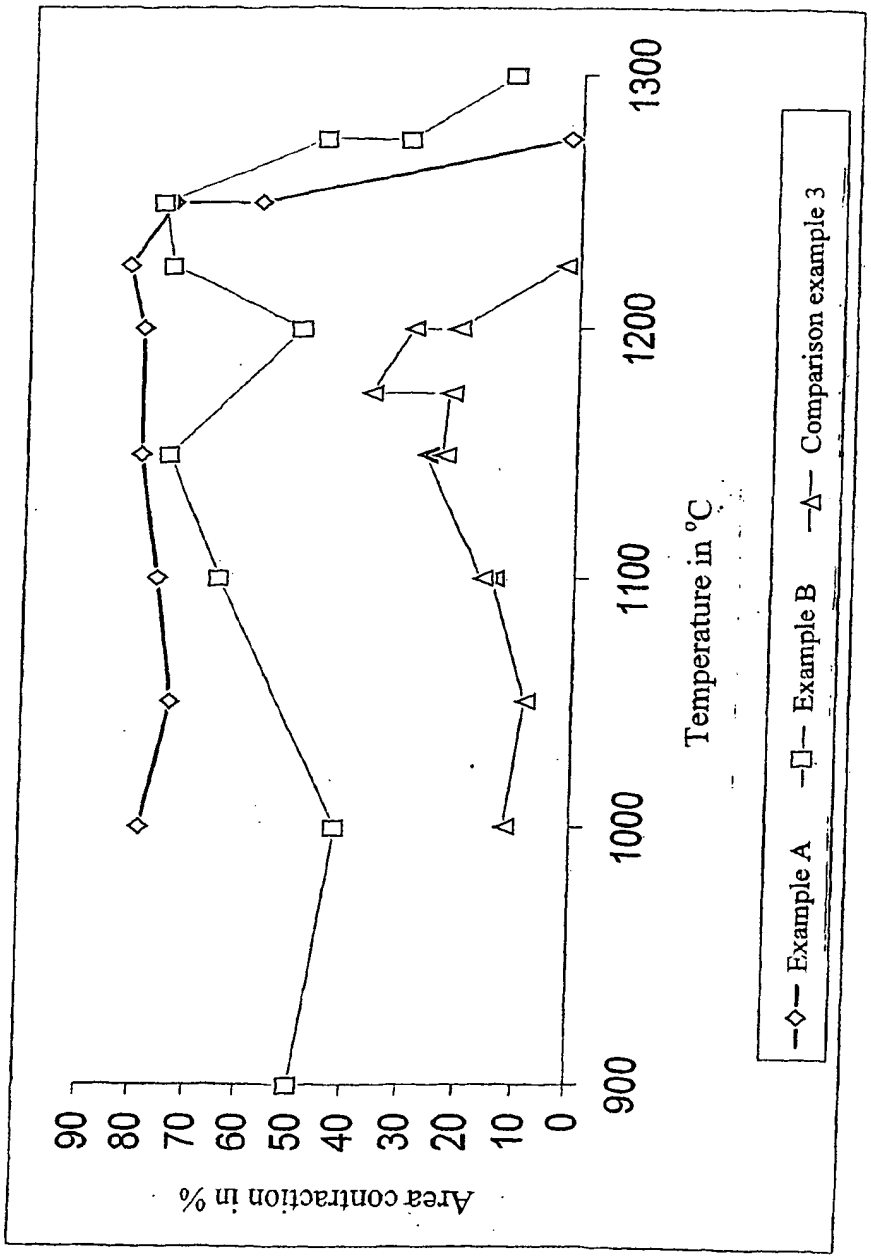

Area contraction in %
0
10
20
30
40
50
60
70
80
90
900
1000
1100
1200
1300
Temperature in °C
Example A
Example B
Comparison example 3

Figure 2

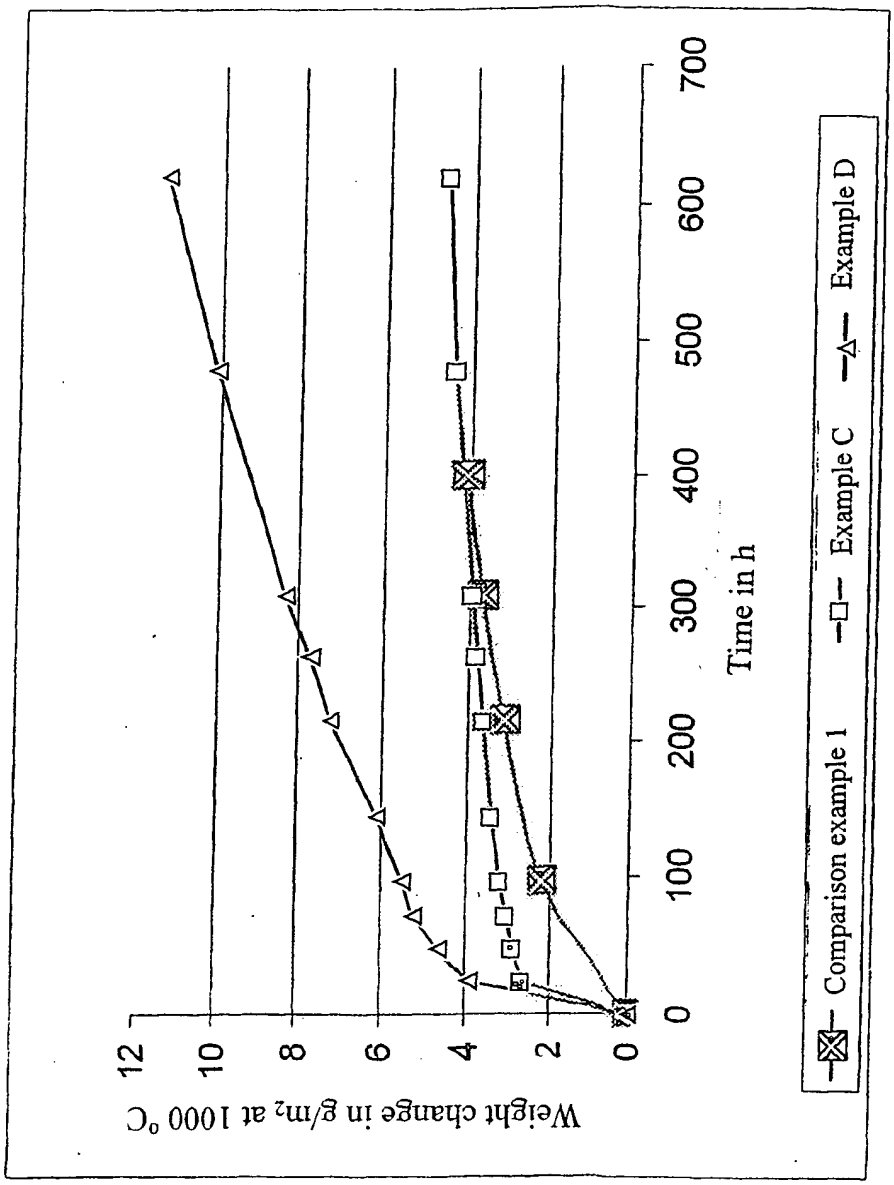

Weight change in g/m2 at 1000 °C
12
10
8
6
4
2
0
0
100
200
300
400
500
600
700
Time in h
Comparison example 1
Example C
Example D

Figure 3

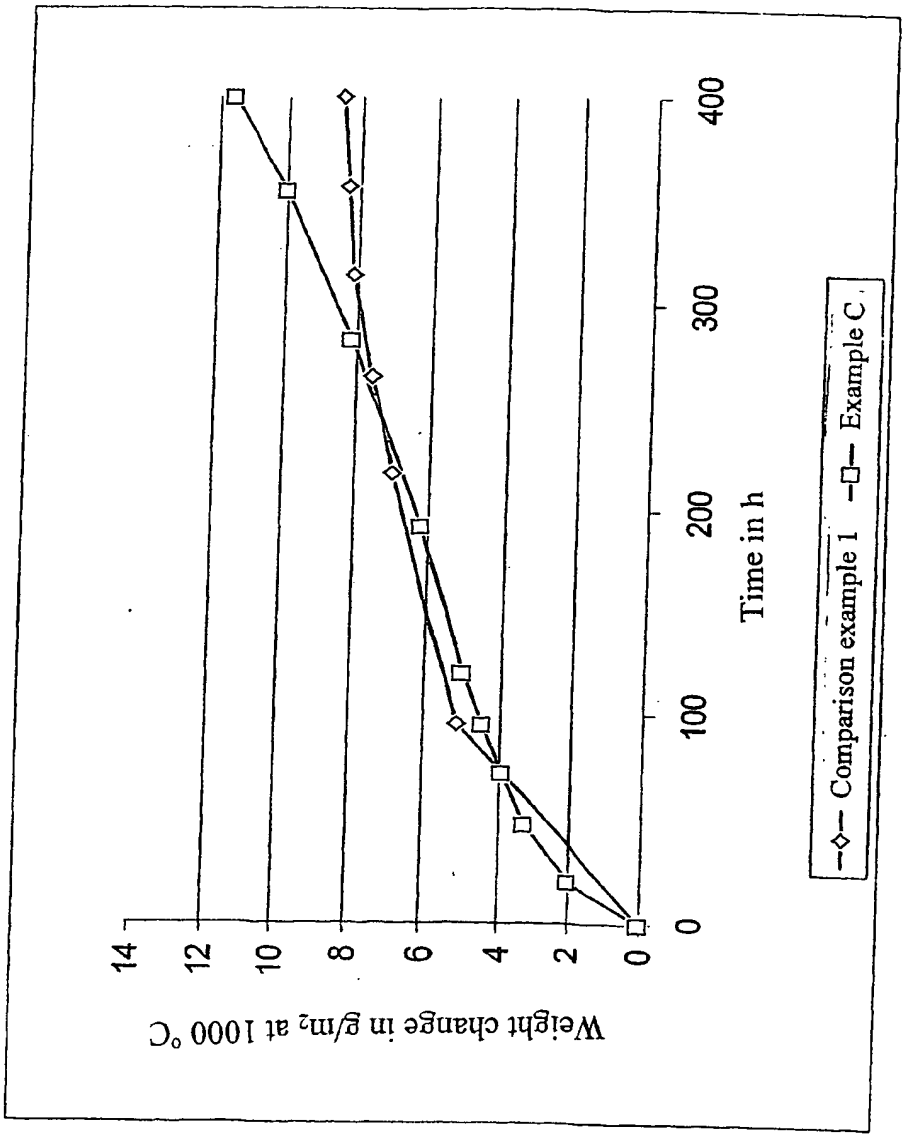

Weight change in g/m2 at 1000 °C
0
2
4
6
8
10
12
14
0
100
200
300
400
Time in h
Comparison example 1
Example C

Figure 4

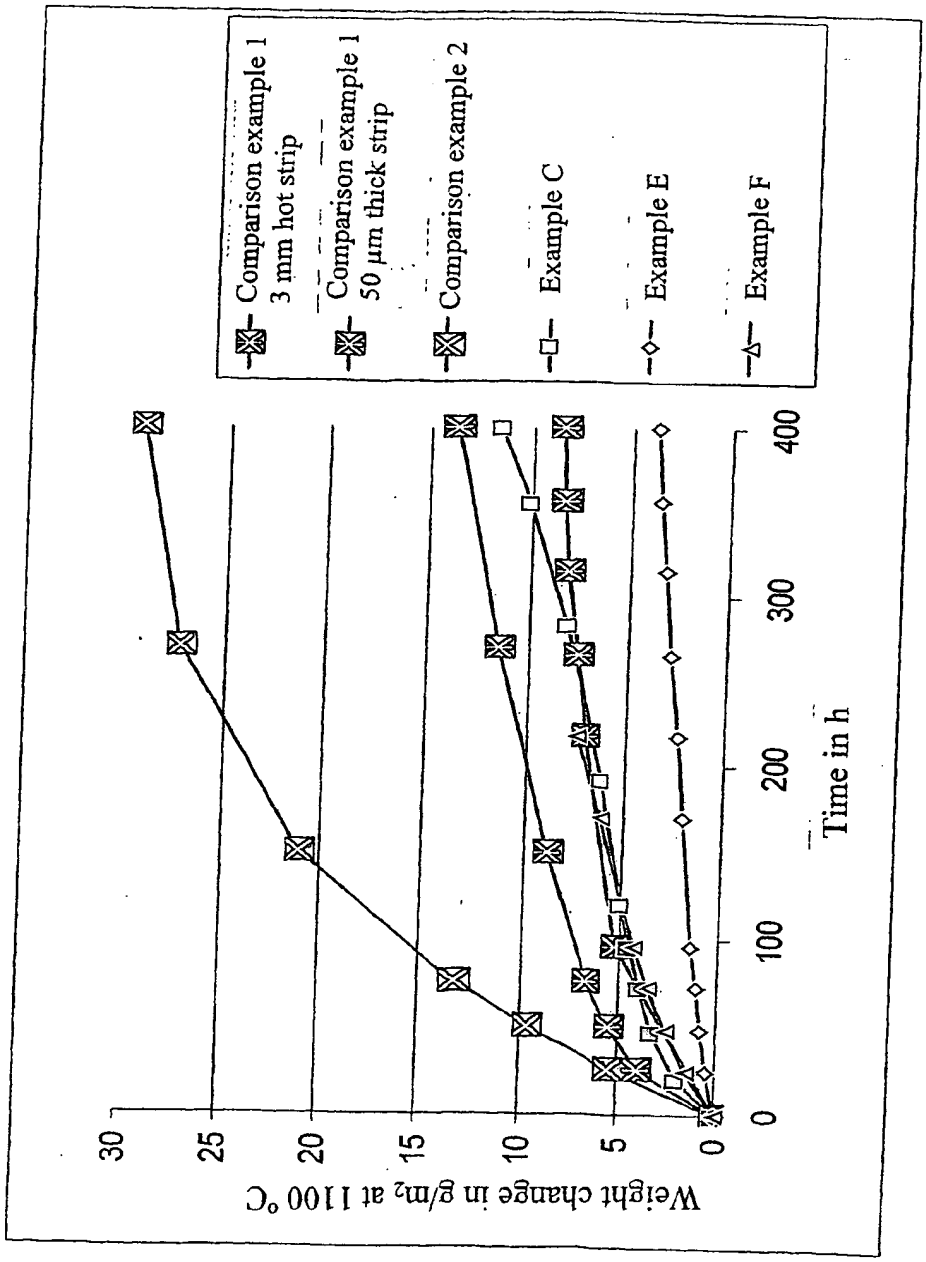

Comparison example 1
3 mm hot strip
Comparison example 1
50 µm thick strip
Comparison example 2
Example C
Example E
Example F
Weight change in g/m2 at 1100 °C
Time in h
0
5
10
15
20
25
30
0
100
200
300
400

Figure 5

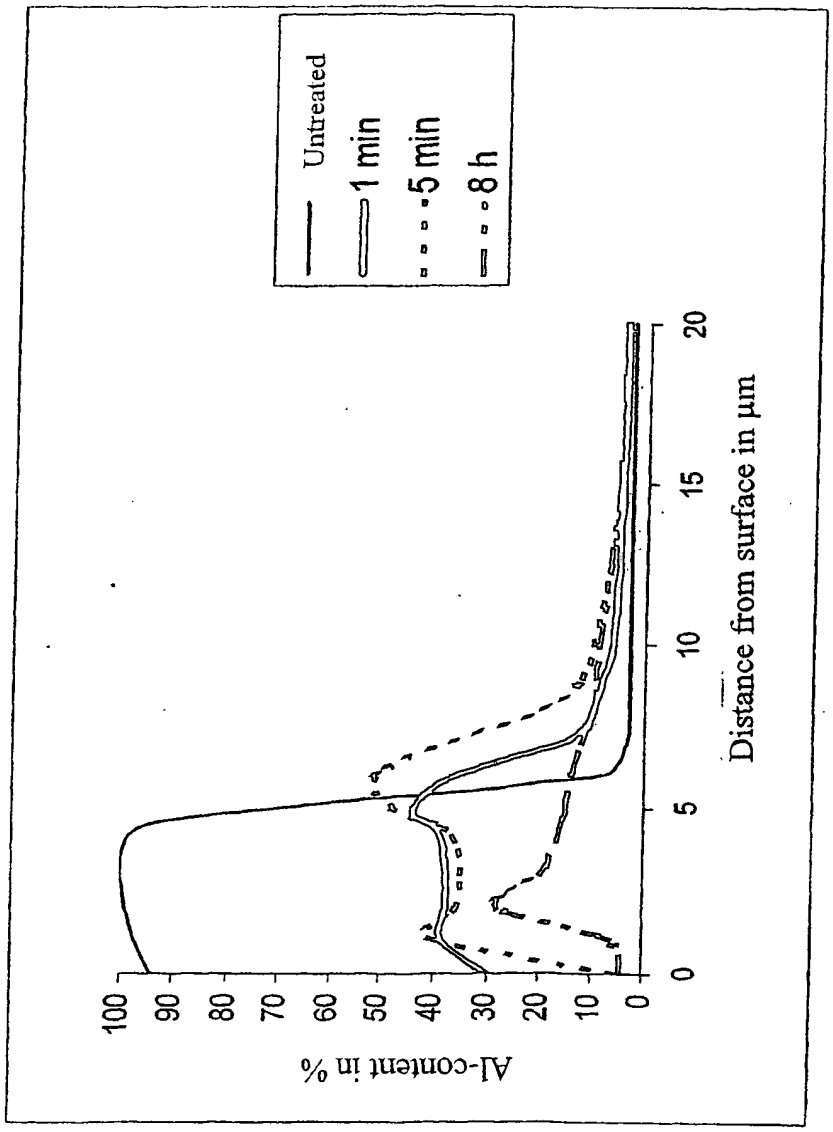
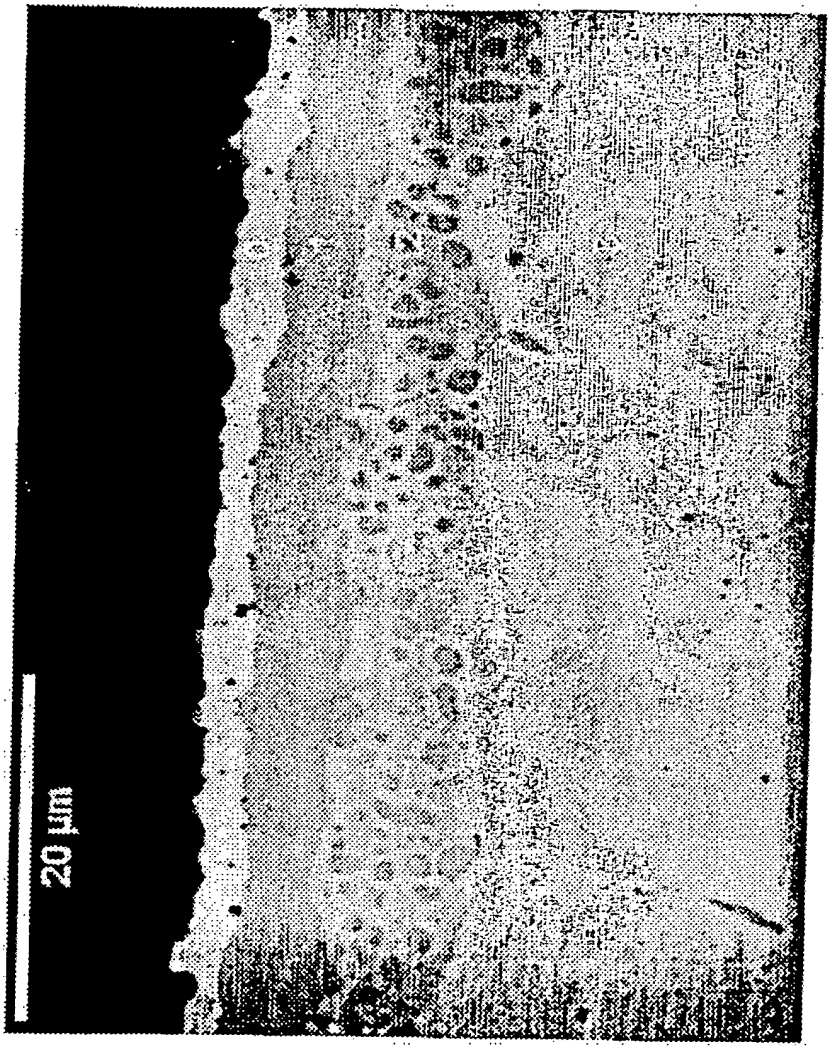

Untreated
1 min
5 min
8 h
Al-content in %
100
90
80
70
60
50
40
30
20
10
0
0
5
10
15
20
Distance from surface in µm

Figure 6



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